

## **AMENDMENTS**

## IN THE CLAIMS

## Please rewrite claims 1, 35, 40, 42, 51, 54, and 63 as follows:

1. A peptide having an amino acid sequence selected from the group consisting of:

RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVRRVVRRVVRRVVRR (SEQ ID NO: 5);

VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVWRRVVRVVRRWVRR (SEQ ID NO:10);

VRRVWRRVVRRWVRRWVRRVWRRVVRRWVRR (SEQ ID NO:11); and

RVVRVVRRWVRRVVRRVVRRVVRRWVRRVVRRVVRRWRVV (SEQ ID NO:12).

35. A solid phase substrate comprising at least one peptide selected from the group consisting of:

RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVRRVVRRVVRRVVRR (SEQ ID NO: 5);

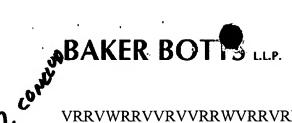
VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

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RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVWRRVVRVVRRWVRR (SEQ ID NO:10);





VRRVWRRVVRVVRRWVRRVRRVWRRVVRVVRRWVRR (SEQ ID NO:11); and NO:12)

40. A peptide-cargo complex comprising a cargo and a peptide selected from the group consisting of:

RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVRRVVRRVVRRVVRR (SEQ ID NO: 5);

VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

NO:8);

RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVWRRVVRVVRRWVRR (SEQ ID NO:10);

VRRVWRRVVRVVRRWVRRVRRVWRRVVRRWVRR (SEQ ID NO:11); and

RVVRVVRRWVRRVVRRVVRRVVRRWVRRVVRRVVRRWRVV (SEQ ID NO:12).

42. A method for inhibiting the growth of a microbe comprising administering to a mammalian cell a microbial growth inhibiting effective amount of at least one peptide selected from the group consisting of:



RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVRRVVRRVVRRVVRR (SEQ ID NO: 5);

VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

RRVVRRVRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO:7);

NO:8);





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RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVWRRVVRRWVRR (SEQ ID NO:10);

VRRVWRRVVRVVRRWVRRWVRRVVRRWVRR (SEQ ID NO:11); and

51. A method for suppressing HIV-1 infectivity comprising contacting a mammalian cell having HIV-1 with an HIV-1 infectivity suppressing effective amount of at least one peptide selected from the group consisting of:

RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVRRVVRRVVRRVVRR (SEQ ID NO: 5);

VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVVRRVVRRWVRR (SEQ ID NO:10);

VRRVWRRVVRRWVRRWVRRWVRRWVRR (SEQ ID NO:11); and

RVVRVVRRWVRRVVRRVVRRVVRRWVRRVVRVVRRWRVV (SEQ ID NO:12).

54. A method of inhibiting growth of a microbe in a subject comprising contacting a cell of the subject with a microbial growth inhibiting effective amount of at least one peptide selected from the group consisting of:

RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 5);

VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

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RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVWRRVVRVVRRWVRR (SEQ ID NO:10);

VRRVWRRVVRVVRRWVRRVVRRVWRRVVRRWVRR (SEQ ID NO:11); and RVVRVVRRWVRRVRRVWRRVVRVVRRWRVV (SEQ ID NO:12).

63. A method for suppressing the infectivity of HIV-1 in a subject comprising contacting a cell of the subject with a HIV-1 infectivity suppressing effective amount of at least one peptide selected from the group consisting of:

RVVRVVRRVVRR (SEQ ID NO:4);

RRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 5);

VRRVVRRVVRRVVRRVVRRVVRRVVRRVVRR (SEQ ID NO: 6);

RVVRVVRRWVRR (SEQ ID NO:9);

RRWVRRVRRVVRRVVRRWVRR (SEQ ID NO:10);

VRRVWRRVVRRWVRRWVRRVWRRVVRVVRRWVRR (SEQ ID NO:11); and

RVVRVVRRWVRRVRRVVRRVVRRWVRRVVRRVVRRWRVV (SEQ ID NO:12).